



REQUEST AND RECOMMENDATION

ONE YEAR OPTION

900+ Clock Hour Programs - Power Line Mechanics

Background:

To provide another option for adult students to apply prior learning toward a degree, Ohio legislators established what has come to be known as the One-Year-Option through Section 363.120 House Bill 59 of the 130th General Assembly. The Chancellor of the Ohio Department of Higher Education, in consultation with the Superintendent of Public Instruction and the Governor's Office of Workforce Transformation, was tasked to establish a One-Year Option credit articulation system in which graduates of Ohio's adult career-technical institutions who complete a 900-hour program of study AND obtain an industry-recognized credential approved by the Chancellor will be able to receive 30 technical semester credit hours toward a technical degree upon enrollment in a public institution of higher education. The Chancellor was also to recommend a process to award proportional semester credit hours for adult career-technical institution students who complete a program of study between 600 and 899 hours AND obtain an industry-recognized credential approved by the Chancellor. The Chancellor convened a broad group of stakeholders to develop a system of articulation for the One Year Option that was presented in a report to the legislature called, *"Getting to 30: Establishing a One Year Option Credit Articulation System for Ohio."*

In order to implement the system of articulation developed with the stakeholders as well as address accreditation requirements for degree granting institutions, the Chancellor convened Credit Affirmation Teams (CATs) to conduct a peer review of programs and certifications for affirmation for a block of 30 semester hours of technical credit. The CATs were comprised of faculty and administrators from Ohio Technical Centers (OTCs) and an equal number from public degree granting colleges and universities in Ohio. The CATs were organized by four discipline clusters: Health and Allied Health, Building and Industrial Technology, Business and Information Technology, and Services. They were charged with reviewing the certifications and, if necessary, program content, to affirm that students completing the selected program at an Ohio Technical Center and earned approved certifications had demonstrated competencies equivalent to 30 semester hours of technical credit. This technical credit would then be granted, as a block, upon enrollment in a degree granting institution. Additional subject matter experts were consulted when core team members did not have sufficient content knowledge of the program being reviewed.

Recommendation

As detailed in the attached template, the Building and Industrial Technology Credit Affirmation Team recommends that students will be eligible for a block of 30 semester hours of technical credit towards an *Associate of Technical Studies in Building and Industrial Technology* when:

- the student has successfully completed a 900+ clock hour program in Power Line Mechanics at an Ohio Technical Center.

And currently holds **ALL** of the following credentials:

- American Electric Power (AEP) D-100
- American Electric Power (AEP) D-200
- American Electric Power (AEP) D-300
- Ohio Department of Transportation (ODOT) Commercial Driver's License (CDL)-Class A Licensure

Please note these certifications must be current and valid. Student must have completed the Ohio Technical Center program within 5 years.

End of Comment Period: July 17, 2015 at 2:45 pm
No comments received, recommend approval

RECOMMENDATION

The Vice Chancellor of Academic Affairs has verified that this pathway has met the standards and requirements of the Ohio Board of Regents.

S Davidson

Stephanie Davidson, Vice Chancellor of Academic Affairs

7/30/15

Date

APPROVAL

J Carey

John Carey, Chancellor

7/30/15

Date

One-Year Option
Certification Affirmation Template

The Program Affirmation is designed to provide a common review matrix for each of the cluster areas in the analysis to award 30 semester hours of technical credit for Ohio Technical Center graduates who are eligible for the One Year Option. The template should be completed for every program/subject and signed by the co-chairs of each of the four cluster program areas for every Industry-recognized credential/program reviewed.

Please note: All Ohio Technical Centers must be accredited by one of the following: [Council on Occupational Education \(COE\)](#) and/or [Accrediting Commission of Career Schools and Colleges \(ACCSC\)](#).

Program Name:	Cluster	
Power Lineworker	<input type="checkbox"/> Business & Information Technologies <input type="checkbox"/> Health/Allied Health <input checked="" type="checkbox"/> Industrial Trades <input type="checkbox"/> Service Industries & Agriculture	
CIP Code: 46.0303		

CIP CODE DEFINITION

A program that prepares individuals to apply technical knowledge and skills to install, operate, maintain and repair local, long-distance, and rural electric power cables and communication lines; erect and construct pole and tower lines; and install underground lines and cables. Includes instruction in cable installation and repair, fibre-optic technology, trenching, mobile equipment and crane operation, high-voltage installations, maintenance and inspection, safety, remote communications, and applicable codes and standards.

STEP ONE: CREDENTIAL REVIEW

	Details/Explanation	Comments
Primary Industry Credential (if there are competing certifications complete page multiple times)	Name: American Electric Power (AEP) Line Certification Type: <input type="checkbox"/> License <input type="checkbox"/> Registry <input checked="" type="checkbox"/> Certification	Certifications: <ul style="list-style-type: none"> AEP D-100 AEP D-200 AEP D-300
Program requirements by credentialing body.	AEP Line Certification is proprietary and recognized as an industry standard for certification in the field of lineworkers. New line workers (apprentices) will receive training in a series of modules, beginning with the D-Series (Entry Level) and ending with the B Series (Advanced Level).	About the Exams: Apprentices attend eighteen weeks of training over a four-year period and benefit from on-the-job training during that time. Students are required to pass written tests and competency demonstrations to successfully complete a module. Exam Integrity: AEP has training alliances with various vocational and technical schools across an 11 state service territory. AEP works with these institutions to develop academic programs needed to prepare students for high-paying jobs in the utility

One-Year Option
Certification Affirmation Template

		industry. AEP curriculum has been the leader in the industry for over 40 years and was developed by experts in the field of energy distribution and safety.
Hours requirements (includes any instructional, lab/practical hours, or internship hours).	<p>AEP Instructional hours are prescriptive between Instructional and Practice Hours. Because the program is proprietary and prescriptive the combinations is no less than 700 clock hours.</p> <p>All competencies must be covered. Remaining hours (if any) may vary per program based on local advisory business/industry committees</p>	700 clock hours of instruction to complete AEP Level D
Competencies demonstrated by credential attainment.	<p>This curriculum is a proprietary curriculum and is not available to the general public.</p> <p>D-100 Series</p> <ul style="list-style-type: none"> • System Overview • Safety Policy and Personal Responsibility • Job Requirements and Expectations • Guides and Reference Sources • Personal Protective Equipment • Selection of Body Belt and Climbers • Sharpen Graffs • Stretching and Flexibility • Butt Test a Word Pile • Learn to Climb a Pole • Basic Knots and Splices • Use of Handline • Identify Pole Line Material • Conductor Material • Transformer Material • Chain Saw Operation • Insulation Protective Equipment • Pulling Tools • Set Up of Ladders • Barricade Digger-Derrick or Bucket Truck 	<p>AEP contracted with T D Power Skills to develop videos to support the curriculum.</p> <p>The link for the curriculum videos for AEP - 78 courses, 8000 work hour, four year apprenticeship program at: http://www.tdpowerskills.com/</p> <p>Maintenance Basics videos from T D Power Skills align closely with the D-series.</p>

One-Year Option
Certification Affirmation Template

- Bucket Rescue from Ground
- Firefighting
- Smith Defensive Driving

D-200 Series

- Effective Job Safety Briefings
- Pole Climbing
- Identify Circuits
- Check Voltage and Continuity with Multi-meter
- Make Up and Install Outdoor Lights
- Install Cross Arm
- Install Cut-Outs, Arresters, Cluster Mount
- Prepare Grounds for Use
- Adjust Crimping Tools
- Identify and Use Different Types of Cutters
- Splice Conductor on Ground
- Splice Overhead Service Cables
- Operate Truck Mounted Winch and Auxiliary Capstan
- Install and Operate Capstan Hoist
- Pole Top Rescue
- Position and Operate Bucket Truck
- Bucket Truck Rescue
- Load and Unload Poles
- Operate Mechanical or Hydraulic Pole Puller
- URD Materials and Equipment
- Select and Install Wire Grip
- Operate Hydraulic Tools
- Read KWH Meter
- Spill Response and Cleanup

D-300 Series

- Pole Climbing
- Basic Electricity
- Low Voltage Test Equipment
- High Voltage Detectors
- Install Grounds on Distribution Line

One-Year Option
Certification Affirmation Template

- Pole Top Rescue
- Cover Secondary
- Install Overhead Service
- Install Socket Meters
- Install and Tag Direct Burial Cable
- Install Pedestal and Make Service Connections
- Use Secondary Fault Finding Equipment
- Splice URD Service
- Patrol Lines for Damage
- Set Up and Operate Digger-Derrick
- Identify and Install Anchors
- Dog Bite Prevention
- Teamwork Skills

Rationale:

The Trades and Industry Credit Affirmation Team (CAT) utilized the following process to complete the assessment regarding the number of semester hours that would be awarded at the college level as block credit based on industry credential(s) plus 900-clock hours earned at an Ohio Technical Center (OTC).

- Research the competencies tested by the industry credential. The Trades and Industry CAT reviewed information about the industry credential to determine the competencies signaled by earning the credential. The AEP Apprenticeship Program is regulated by the U.S. Department of Energy and overseen by the Department of Labor.
- Complete a nationwide internet search to review how other accredited colleges and universities are applying credit to AEP D-Series. West Virginia University offers 45 semester credit hours towards an individual completing the first year (D-Series) training successfully. Texas State Technical College offers a one year Electrical Power Line Technician Certificate awarding 42 semester hours.
- Reviewed the value of local program advisory committee recommendations to meet the local industry needs. The Team concurred that there was value in having lab/practical, internships and/or externships as part of the program to meet local industry/business needs.
- Reviewed the Ohio Department of Transportation: CDL – Class A Licensure. Training includes driving safely, transporting cargo safely, air brakes, combination vehicles, pre-trip inspection, and vehicle control/driving skills. Training allows a person to operate any combination of vehicles with a combined gross vehicle weight rating of 26,001 pounds or more, if the gross vehicle weight rating of the vehicle or vehicles being towed is in excess of 10,000 pounds.

The Trades and Industry CAT confirms:

- The certifications exams are valid, reliable and peer-reviewed on a regular basis to ensure the content accurately

One-Year Option
Certification Affirmation Template

measures intended competencies.

- The competencies measured by the AEP D-100, D-200 and D-300 course work and ODOT CDL – Class A Licensure are developed by industry and reflect industry standards.

The Trades and Industry CAT also considered competencies signaled by lab and practical learning experiences. As part of the program offered by OTCs, student will participate in lab/practical experience as recommended by the local program advisory committee to meet local business and industry needs. The lab/practical experiences will reinforce the instructional competencies through hands-on learning.

Upon successful completion of the 900+ hour program in the field of plumbing at an Ohio Technical Center and attainment of the following certifications:

- AEP D-100 Series
- AEP D-200 Series
- AEP D-300 Series
- ODOT CDL – Class A Licensure

A student shall be awarded 30 technical semester hours with the concentration be applied towards completion of an Association of Technical Studies at a public degree granting college or university.

ONLY IF NECESSARY TO AFFIRM 30 CREDITS----STEP TWO: PROGRAM-RELATED COMPETENCIES OBTAINED OUTSIDE OF PRIMARY CREDENTIAL

	Details/Explanation	Comments
Additional related complementary credential(s) or badge(s) (e.g. OSHA 10, CPR).	Ohio Department of Transportation Commercial Driver's License (CDL) Class A Certification	
Competencies demonstrated by additional credential attainment.	CDL – CLASS A <ul style="list-style-type: none"> • Driving Safely • Transporting Cargo Safely • Air Brakes • Combination Vehicles • Pre-Trip Vehicle Inspection • Basic Vehicle Control Skills Test • On-Road Driving 	Ohio Revised Code, Section 4506.12 (B) The classes of CDL and the commercial motor vehicles that they authorize the operation of are as follows: Class A: Any combination of vehicles with a combined gross vehicle weight rating of 26,001 pounds or more, if the gross vehicle weight rating of the vehicle or

One-Year Option
Certification Affirmation Template

		vehicles being towed is in excess of 10,000 pounds http://bmv.ohio.gov/cdl.stm Ohio Commercial Driver License Manual http://www.publicsafety.ohio.gov/links/HSY7605.pdf	
Description of additional program elements beyond primary credential			
Program related competencies/learning outcomes outside of credential(s). Include how competencies are demonstrated.			
Related Program as of Fall 2015:	Ohio Technical Center Career and Technology Education Center Mid-East Career and Technical Center Pickaway-Ross Career and Technology Center Scioto Country Career Technical Center Warren County Career Center	Program Name Power Lineman Power Lineman Power Lineman Power Line Mechanic Electrical Power Line Mechanic	Clock Hours 900 900 900 900 900
Committee Members and Subject Matter Experts:	Name Barbara Wagner Kelly Zelesnik Jon Buttelwerth Larraine Kapka Mike Sizemore Tim Conley Jeffrey Jones	Role Co-Chair Co-Chair Member Member Member Member Member	Institution Upper Valley Career Center Lorain County Community College Cincinnati State Technical and Community College Sinclair Community College Miami Valley Career Technical Center Pickaway Ross Career and Technology Center Ashland County West Holmes Career Center
Other Parameters of Competency			
OTHER COMMENTS.	Material covered is adequate to allow 30 hours of credit to be granted.		
<u>AFFIRMED NUMBER</u>	30 semester hours		LENGTH OF TIME CREDENTIAL CAN BE

One-Year Option
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**OF TECHNICAL
BLOCK CREDITS**

USED FOR ONE-YEAR OPTION: Must have completed a 900+ hour program at an Ohio Technical Center and hold all four of the following certifications:

1. AEP D-100
2. AEP D-200
3. AEP D-300
4. ODOT CDL-Class A Licensure

The certifications must be current and valid. Must have completed the Ohio Technical Center program within 5 years.

Co-chair signatures:



Dr. Barbara G. A. Wagner, Adult Division Director
Upper Valley Career Center – Ohio Technical Center



Kelly A. Zelesnik, Dean of Engineering Technologies
Lorain County Community College

Date: 6/25/2015